

Title (en)

SYSTEM AND METHOD TO DETERMINE A CAPACITANCE OF A CAPACITOR

Title (de)

SYSTEM UND VERFAHREN ZUM BESTIMMEN DER KAPAZITÄT EINES KONDENSATORS

Title (fr)

SYSTÈME ET PROCÉDÉ DE DÉTERMINATION DE LA CAPACITÉ D'UN CONDENSATEUR

Publication

EP 3482486 A1 20190515 (EN)

Application

EP 16738563 A 20160708

Priority

IB 2016054125 W 20160708

Abstract (en)

[origin: WO2018007858A1] A system and method to determine a capacitance of a capacitor. In one embodiment, a power converter includes a controller coupled to an output capacitor and a power train configured to convert an input voltage to a nominal output voltage. The controller is configured to ramp up an output voltage of the power converter with a first slope and a second slope, and receive a first output current of the power converter during a first rise time associated with the first slope and a second output current of the power converter during a second rise time associated with the second slope. The controller is also configured to compute a capacitance of the output capacitor employing the first and second output currents, the first and second rise times, and the nominal output voltage.

IPC 8 full level

H02M 3/335 (2006.01)

CPC (source: EP US)

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Citation (search report)

See references of WO 2018007858A1

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